

ABSTRACT OF THE DISCLOSURE

A laser device for generating a laser beam and an optical signal amplifier using thereof for amplifying an optical signal are disclosed. The laser device comprises an optical fiber 5 having a core portion in which a laser medium is doped and a cladding portion covering the core portion. The optical fiber is placed in a pumping light reflection portion in which an index matching oil is contained and a pumping light is confined. Alternatively, the optical fiber is bundled in a bundle portion 10 in a pumping light reflection portion in which the pumping light is confined. The pumping light is introduced to the pumping light reflection portion from a pumping light introducing portion bundled with the laser fiber.

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